

Patent
Attorney Docket No. 74239

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Amendments shown by strikethrough (for deleted matter) or underlining (for added matter).

1. (Currently amended): A method of producing a molecularly-imprinted material, comprising:
 - (a) synthesizing a peptide, ~~oligosaccharide or oligonucleotide~~ on a disposable surface modified support to produce a support surface-attached peptide, ~~oligosaccharide or oligonucleotide~~;
 - (b) providing a selected monomer mixture;
 - (c) contacting said monomer mixture with said support surface-attached peptide, ~~oligosaccharide or oligonucleotide~~;
 - (d) initiating polymerisation or at least one crosslinking reaction;
 - (e) dissolving or degrading said support surface-attached peptide, ~~oligosaccharide or oligonucleotide~~ and said support; and
 - (f) obtaining said molecularly imprinted material.
2. (Original): A method according to claim 1, wherein said peptide of step (c) is a peptide epitope.
3. (Original): A method according to claim 1, wherein step (f) is conducted with the aid of at least one factor consisting of crosslinking agents, heat, and ultraviolet irradiation.
4. (Original): A method according to claim 1, wherein said peptide is selected from the group consisting of FMOC-Phe-Gly-Si, H-Phe-Gly-Si, FMOC-Phe-Si, BOC-Gly-Si, H-Gly-Si, FMOC-Phe-Gly-OH, FMOC-Phe-OH, BOC-Phe-OH, H-Phe-pNA, H-Phe-O-Me, H-Phe-OtBu, BOC-Gly-OH, H-Phe-Gly-NH₂, H-Phe-Gly-Phe-OH, FMOC-Phe-OH, H-Gly-Phe-OH, and Nociceptin.

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5. (Currently amended): A method according to claim 1, wherein said disposable surface ~~activated~~ modified support is a silane-modified silica or controlled pore glass (CPG).

6. (Original): A method according to claim 1, wherein said monomer mixture comprises monomers selected from the group consisting of styrene/divinyl benzene, methacrylates, acrylates, acrylamides, methacrylamides and combinations thereof.

Claims 7-9 (withdrawn)